

Boston Whaler 50th Anniversary

In 1958 Boston Whaler introduced its first boat, the 13' Sport. At the time the boat was revolutionary with its new hull design and unsinkable foam filled hull. Since then Boston Whaler has gone on to be a household name in the marine industry.

The Problem

To celebrate the 50th anniversary of the original boat, Boston Whaler wanted to create a small scaled model of the boat that started it all. A limited amount of these anniversary models would be made available to the public. In 1958 there was no such thing as a computer as we know it today, let alone 3D CAD software, so creating a model would be a challenge.

To create an accurate model, Boston Whaler contacted EMS to 3D scan the original boat and create a 3D CAD model. The CAD data would then be sent to a company that was going to build the scaled replica models. Boston Whaler wanted these models to be an accurate and extremely detailed collector's item.

The Solution

An original boat was located and EMS went on-site to 3D scan the complete inside and outside of the 1958 13' Sport. After the 3D scanning was finished, EMS used RapidForm 3D scanning software to create a complete 3D CAD model. This model included all the seats, steering wheel and more.

Next, EMS created a scaled model on their Z Corp 3D Printer in full 3D color. This scaled model allowed Boston Whaler to validate the 3D scan data before having 2000 collector's models made. The 3D scanning and rapid prototype model was finished in less than two weeks which allowed Boston Whaler enough time to have the final scaled models finished in time for their anniversary event.

Conclusion

When it comes to 3D scanning, CAD model development and rapid prototyping using full color 3D printing there are very few companies who offer all these services under one roof. EMS not only performed all these tasks but did them on-time and at budget for Boston Whaler. We look forward to their 100th anniversary project.

Visit www.ems-usa.com to learn more.



1958 Boston Whaler 13' Sport



Finished 3D scan data



3D Printed model in color



Final anniversary model